SB/21 (08-03)

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	Application Number	10/701,655				
FEB 2 5 2004 TRANSMITTAL	Filing Date	November 4, 2003				
g FORM	First Named Inventor	Kesheng Wu				
(to be used for all correspondence after initial	iling) Art Unit	2819				
PAOEMAN ON STREET WAS AND THE STREET	Examiner Name	Khai M. Nguyen				
Total Number of Pages in This Submission	6 Attorney Docket Number	IB-1852				
ENCLOSURES (Check all that apply)						
Fee Transmittal Form Fee Attached Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53	Drawing(s)  Licensing-related Papers  Petition  Petition to Convert to a Provisional Application  Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer  Request for Refund  CD, Number of CD(s)  Remarks	Other Enclosure(s) (please Identify below): Copy of Assignments; Statement under 37 CFR 3.73(b); and Return Postcard				
SIGNA	TURE OF APPLICANT, ATTORN	EY, OR AGENT				
Firm or Individual name Joseph Ray Milner; Lawrence Berkeley National Laboratory  Signature Date 2/23/2004						
C	CERTIFICATE OF TRANSMISSION/MAILING					
	velope addressed to: Commissioner for Pa	or deposited with the United States Postal Service with atents, P.O. Box 1450, Alexandria, VA 22313-1450 on				
Typed or printed name	n Kay Reineman					
Signature	n Kay Reineman Kay Raineman	Date 2/23/2004				

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Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):					
	Name		Registration	Number	
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	<ul> <li>r(s) or agent(s) to represent the undersigned before patent applications assigned <u>only</u> to the undersigned</li> </ul>				
	this form in accordance with 37 CFR 3.73(b).	·	•	·	
Assignee	Name and Address:				
The Reg	ents of the University of California				
_	anklin Street				
12th Flo	or				
Oakland	, 94607-5200				
A copy o	of this form, together with a statement	under 37 CFR 3.73(b) (	(Form PTO/	SB/96 or equivalent) is	
required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b)					
may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of					
	is to be filed.				
SIGNATURE of Assignee of Record  The individual whose signature and title is supplied below is authorized to act on behalf of the assignee					
Name	David J. Aston, Reg. No. 28,051				
Signature	Dun 1/1. ha		Date	2-23-04	
Title	Cli CD 1 C	I. NI di Y i	Telephone	(510) 496 7050	
This collecti	Chief Patent Counsel, Lawrence Berk		or ratain a hanati	(510) 486-7058	

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PTO/SB/96 (08-03)

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## STATEMENT UNDER 37 CFR 3.73(b) Applicant/Patent Owner: Kesheng Wu, Arie Shoshani and Ekow Otoo Application No./Patent No.: 10/701,655 Filed/Issue Date: November 4, 2003 Entitled: Word aligned hybrid bitmap compression method, data structure, and apparatus The Regents of the University of California, a University (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.) (Name of Assignee) states that it is: 1. X the assignee of the entire right, title, and interest; or 2. an assignee of less than the entire right, title and interest. The extent (by percentage) of its ownership interest is \_\_\_\_ in the patent application/patent identified above by virtue of either: A. [x ] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel\_\_\_\_\_, Frame\_\_\_\_, or for which a copy thereof is attached. OR B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below: - To:-The document was recorded in the United States Patent and Trademark Office at Reel\_\_\_\_\_, Frame\_\_\_\_\_, or for which a copy thereof is attached. The document was recorded in the United States Patent and Trademark Office at Reel\_\_\_\_\_, Frame\_\_\_\_\_, or for which a copy thereof is attached. 3. From: The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_\_, Frame \_\_\_\_\_\_, or for which a copy thereof is attached. [ ] Additional documents in the chain of title are listed on a supplemental sheet. [x ] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08] The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee. David J. Aston, Reg. No. 28,051 Date (510) 486-7058 Telephone number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Chief Patent Counsel, Lawrence Berkeley Nat'l. Laboratory

Title

#### **ASSIGNMENT**

LBNL Case No. IB-1852

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S)

Kesheng Wu, Residing at: 34188 O'Neil Terrace,
Arie Shoshani Residing at: 1063 Siler Place,
Ekow Otoo Residing at: 555 Pierce Street,

Fremont, CA 94555
Berkeley, CA 94705
Albany, CA 94706

hereby sells, assign(s) and transfer(s) to ASSIGNEE, The Regents of The University of California, a California Corporation, having its statewide administrative offices located at 1111 Franklin Street, 12<sup>TH</sup> Floor, Oakland, CA 94607-5200 and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

# TITLE: WORD ALIGNED HYBRID BITMAP COMPRESSION METHOD, DATA STRUCTURE, AND APPARATUS

and which is found in U.S. application serial no. 10/701,655 which was filed with the United States Patent and Trademark Office on November 4, 2003,

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may necessary or desirable to carry out the purposes thereof. Any attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

AND the <u>ASSIGNOR(S)</u> requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of The University of California.

## **ASSIGNMENT**

LBNL Case No. IB-1852

Page 2 of 2

Executed this:	Signature of Inventor(s)
19th day of Feb, 2004	Kesling Wn
	Kesheng Wh
1916 day of Feb, , 2004	A. Shoshani Arie Shoshani
19th day of February, 2004	Garage.
	Etow Otoo